

(FILE 'HOME' ENTERED AT 18:04:15 ON 26 DEC 2003)

L1 FILE 'REGISTRY' ENTERED AT 18:04:24 ON 26 DEC 2003
L2 STRUCTURE UPLOADED
QUE L1

FILE 'CAPLUS, USPATFULL' ENTERED AT 18:05:07 ON 26 DEC 2003

L3 FILE 'REGISTRY' ENTERED AT 18:05:45 ON 26 DEC 2003
1953 S L1 FULL

L4 FILE 'CAPLUS, USPATFULL' ENTERED AT 18:06:52 ON 26 DEC 2003
471 S L3
L5 107552 S HERBICID?
L6 304 S L4 AND L5
L7 160 S L4 (P) L5
L8 75 S L4 (3A) L5
L9 10 S L4 (A) L5

L10 FILE 'REGISTRY' ENTERED AT 18:17:21 ON 26 DEC 2003
0 S 4-BENZOYL ISOXAZOLE/CN
L11 0 S 4-BENZOYL ISOXAZOLE
L12 2 S BENZOYL ISOXAZOLE

(FILE 'HOME' ENTERED AT 19:06:28 ON 26 DEC 2003)

FILE 'CAPLUS, USPATFULL' ENTERED AT 19:10:08 ON 26 DEC 2003

L1 657375 S ?PROPYLENEOXIDE OR ?PROPYLENE OXIDE OR ?PROXYLATE OR PO
L2 106018 S HERBICIDE OR CROP PROTECTION
L3 189485 S ?ETHYLENEOXIDE OR ?ETHYLENE OXIDE OR ?ETHOXYLATE OR EO
L4 58106 S L1 (P) L3
L5 29884 S L1 (A) L3
L6 60 S L5 (P) L2
L7 13379 S L5 (2A) (COPOLYMER OR CO POLYMER)
L8 36 S L7 (P) L2
L9 36 S L8 AND HERBICIDE
L10 1 S L8 AND CROP PROTECTION
L11 1 S L10 AND HERBICIDE

L9 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN
 ACCESSION NUMBER: 1994:217651 CAPLUS
 DOCUMENT NUMBER: 120:217651
 TITLE: 4-(Benzoyl)isoxazole herbicides for weed control
 INVENTOR(S): Cain, Paul Alfred; Cramp, Susan Mary
 PATENT ASSIGNEE(S): Rhone-Poulenc Agriculture Ltd., UK
 SOURCE: Eur. Pat. Appl., 30 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 8
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 560482	A1	19930915	EP 1993-300816	19930204
EP 560482	B1	19970806		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
ZA 9300769	A	19930908	ZA 1993-769	19930204
CA 2088840	AA	19930913	CA 1993-2088840	19930204
BR 9300324	A	19930914	BR 1993-324	19930204
CN 1076194	A	19930915	CN 1993-101488	19930204
CN 1057524	B	20001018		
AU 9332819	A1	19930916	AU 1993-32819	19930204
AU 664229	B2	19951109		
HU 63543	A2	19930928	HU 1993-293	19930204
HU 217562	B	20000228		
JP 07258231	A2	19951009	JP 1993-17611	19930204
JP 3310039	B2	20020729		
IL 104614	A1	19970415	IL 1993-104614	19930204
RO 112029	B1	19970430	RO 1993-120	19930204
CZ 282051	B6	19970514	CZ 1993-132	19930204
PL 172002	B1	19970731	PL 1993-297644	19930204
AT 156483	E	19970815	AT 1993-300816	19930204
ES 2105098	T3	19971016	ES 1993-300816	19930204
RU 2105761	C1	19980227	RU 1993-4513	19930204
SK 280521	B6	20000313	SK 1993-64	19930204
<u>US 5650533</u>	A	19970722	US 1995-458817	19950602
US 5656573	A	19970812	US 1995-460093	19950602
US 5747424	A	19980505	US 1997-848909	19970501
US 5859283	A	19990112	US 1998-22051	19980211
PRIORITY APPLN. INFO.:			US 1992-850128	A 19920312
			GB 1989-20519	A 19890911
			GB 1990-17539	A 19900810
			US 1990-580795	B2 19900911
			GB 1990-25469	A 19901122
			GB 1991-16833	A 19910805
			GB 1991-16835	A 19910805
			US 1991-742381	B2 19910808
			US 1991-790175	B2 19911112
			US 1992-850031	B2 19920312
			US 1992-850035	B2 19920312
			US 1992-850424	B2 19920312
			EP 1993-300816	A 19930204
			US 1993-108792	B3 19930819
			US 1995-460093	A3 19950602
			US 1997-848909	A3 19970501
OTHER SOURCE(S):		MARPAT 120:217651		

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L9 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS on STN

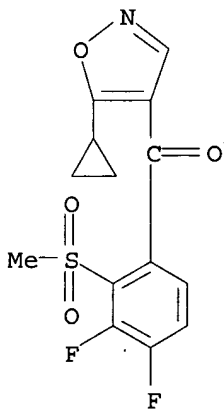
AB The title compds. I [R = H, CO₂R₅; R₅ = (un)branched (un)substituted C.ltoREQ.6 alkyl; R₁ = Me, iso-Pr, cyclopropyl, 1-methylcyclopropyl; R₂ = S(O)_nR₅₁; R₅₁ = (un)branched C.ltoREQ.4 alkyl; R₃ = Cl, Br, F, (un)branched (un)substituted C.ltoREQ.4 alkyl or alkoxy, C.ltoREQ.6 alkenyl, etc.; R₄ = Cl, Br, F, (un)branched (un)substituted C.ltoREQ.4 alkyl, C.ltoREQ.4 alkoxy substituted by .gtoreq.1 halogen atom(s), CN, etc.; n = 0-2], useful as herbicides for weed control (no data), are prepd. and I-contg. agrochem. formulations presented. Thus, 3-cyclopropyl-1-[3,4-difluoro-2-(methylsulfonyl)phenyl]-2-ethoxymethylenepropane-1,3-dione was cyclized with hydroxylamine hydrochloride, producing 5-cyclopropyl-4-[3,4-difluoro-2-(methylsulfonyl)benzoyl]isoxazole, m.p. 115-118.degree..

IT 153555-85-2 153555-86-3 153555-87-4
153555-88-5 153555-89-6 153555-90-9
153555-91-0 153555-92-1 153555-93-2
153555-94-3 153555-95-4 153555-96-5
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153556-07-1 153556-08-2 153556-09-3
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153556-17-3 153556-18-4 153556-19-5
153556-20-8

RL: BAC (Biological activity or effector, except adverse); BSU
(Biological study, unclassified); BIOL (Biological study)
(herbicidal activity of)

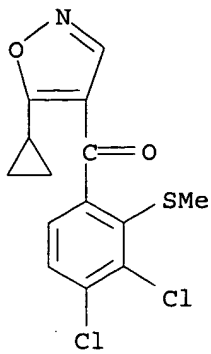
RN 153555-85-2 CAPLUS

CN Methanone, (5-cyclopropyl-4-isoxazolyl) [3,4-difluoro-2-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

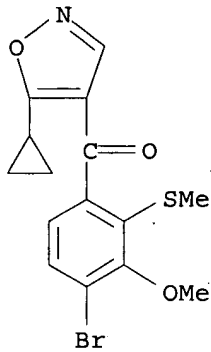


RN 153555-86-3 CAPLUS

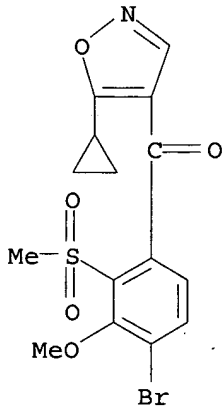
CN Methanone,
(5-cyclopropyl-4-isoxazolyl) [3,4-dichloro-2-(methylthio)phenyl]-
(9CI) (CA INDEX NAME)



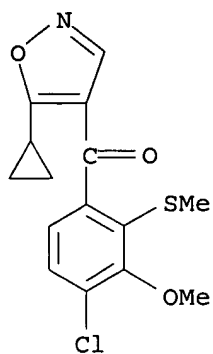
RN 153555-87-4 CAPLUS
 CN Methanone, [4-bromo-3-methoxy-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



RN 153555-88-5 CAPLUS
 CN Methanone, [4-bromo-3-methoxy-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)

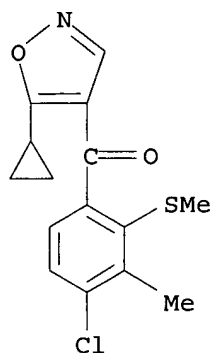


RN 153555-89-6 CAPLUS
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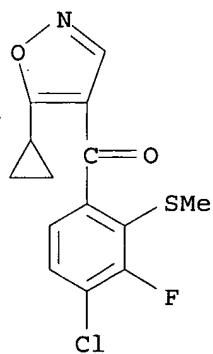
RN 153555-90-9 CAPLUS

CN Methanone, [4-chloro-3-methyl-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



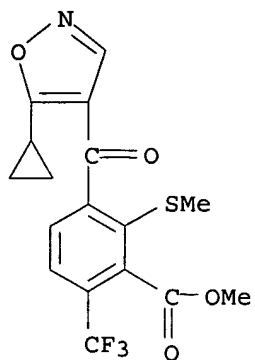
RN 153555-91-0 CAPLUS

CN Methanone, [4-chloro-3-fluoro-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



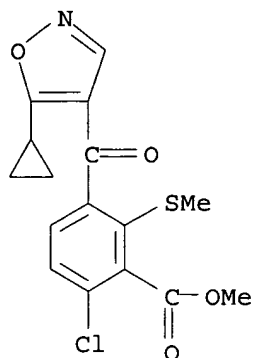
RN 153555-92-1 CAPLUS

CN Benzoic acid, 3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-(methylthio)-6-(trifluoromethyl)-, methyl ester (9CI) (CA INDEX NAME)



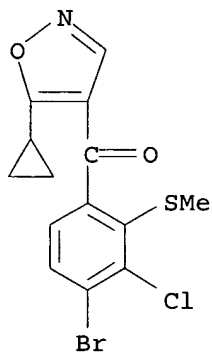
RN 153555-93-2 CAPLUS

CN Benzoic acid, 6-chloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-(methylthio)-, methyl ester (9CI) (CA INDEX NAME)



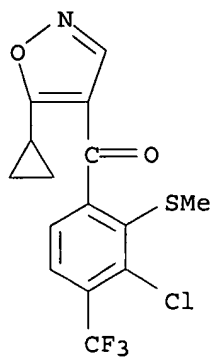
RN 153555-94-3 CAPLUS

CN Methanone, [4-bromo-3-chloro-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)

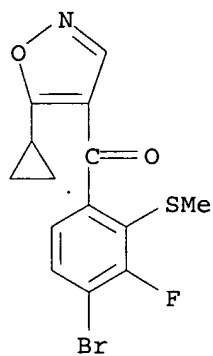


RN 153555-95-4 CAPLUS

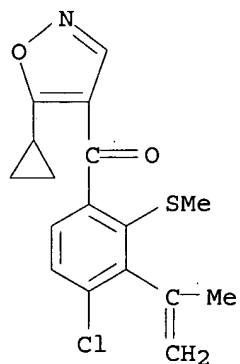
CN Methanone, [3-chloro-2-(methylthio)-4-(trifluoromethyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



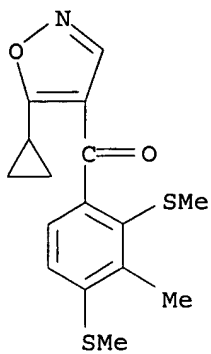
RN 153555-96-5 CAPLUS
 CN Methanone, [4-bromo-3-fluoro-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



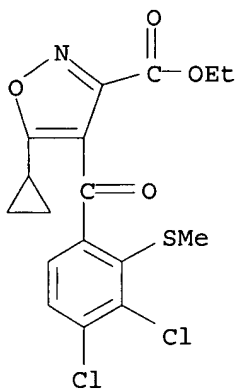
RN 153555-97-6 CAPLUS
 CN Methanone, [4-chloro-3-(1-methylethenyl)-2-(methylthio)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



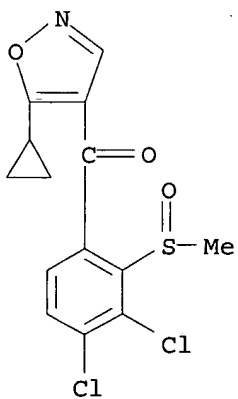
RN 153555-98-7 CAPLUS
 CN Methanone, (5-cyclopropyl-4-isoxazolyl) [3-methyl-2,4-bis(methylthio)phenyl]- (9CI) (CA INDEX NAME)



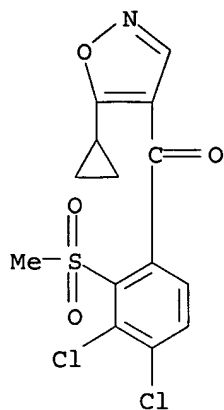
RN 153556-00-4 CAPLUS
 CN 3-Isoxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-(methylthio)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



RN 153556-01-5 CAPLUS
 CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-(methylsulfinyl)phenyl]- (9CI) (CA INDEX NAME)

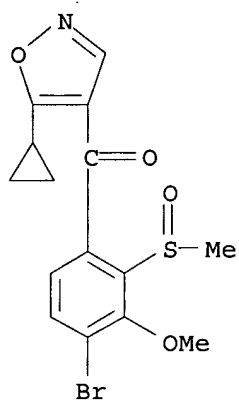


RN 153556-02-6 CAPLUS
 CN Methanone, (5-cyclopropyl-4-isoxazolyl)[3,4-dichloro-2-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)



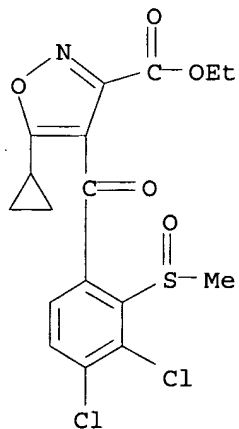
RN 153556-03-7 CAPLUS

CN Methanone, [4-bromo-3-methoxy-2-(methylsulfinyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



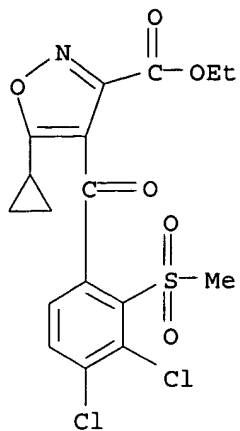
RN 153556-04-8 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-(methylsulfinyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



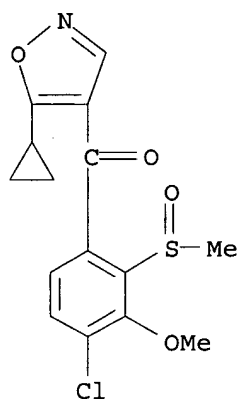
RN 153556-05-9 CAPLUS

CN 3-Isioxazolecarboxylic acid, 5-cyclopropyl-4-[3,4-dichloro-2-(methylsulfonyl)benzoyl]-, ethyl ester (9CI) (CA INDEX NAME)



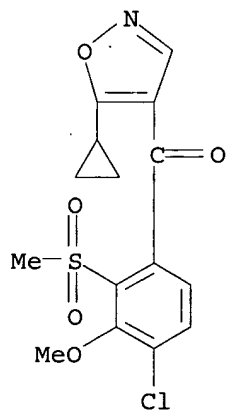
RN 153556-06-0 CAPLUS

CN Methanone, [4-chloro-3-methoxy-2-(methylsulfinyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



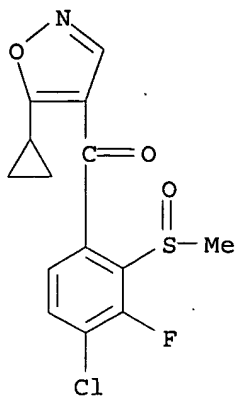
RN 153556-07-1 CAPLUS

CN Methanone, [4-chloro-3-methoxy-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



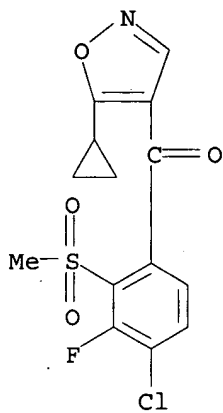
RN 153556-08-2 CAPLUS

CN Methanone, [4-chloro-3-fluoro-2-(methylsulfinyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



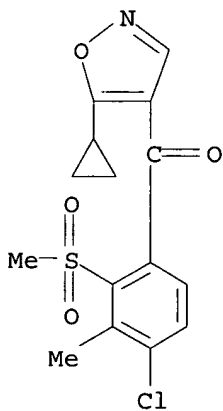
RN 153556-09-3 CAPLUS

CN Methanone, [4-chloro-3-fluoro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



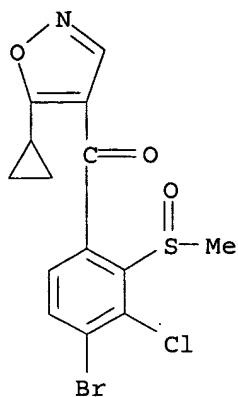
RN 153556-11-7 CAPLUS

CN Methanone, [4-chloro-3-methyl-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



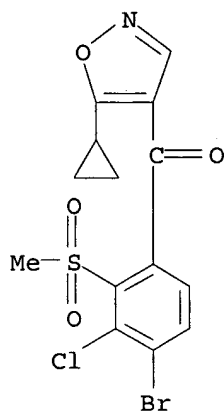
RN 153556-12-8 CAPLUS

CN Methanone, [4-bromo-3-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



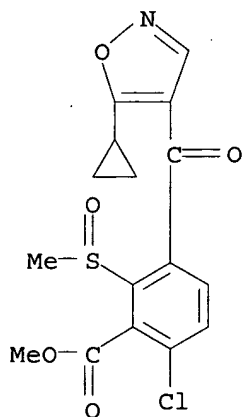
RN 153556-13-9 CAPLUS

CN Methanone, [4-bromo-3-chloro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



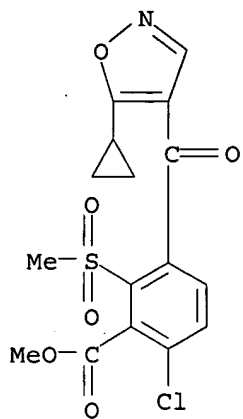
RN 153556-14-0 CAPLUS

CN Benzoic acid, 6-chloro-3-[(5-cyclopropyl-4-isoxazolyl)carbonyl]-2-(methylsulfinyl)-, methyl ester (9CI) (CA INDEX NAME)



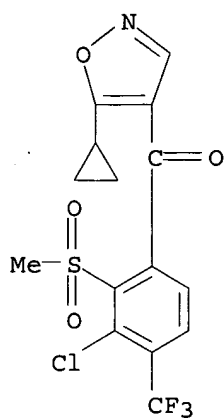
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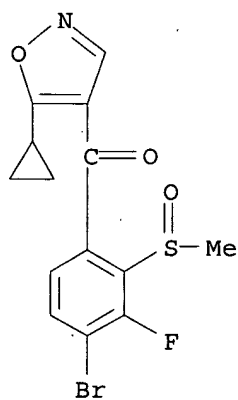
RN 153556-16-2 CAPLUS

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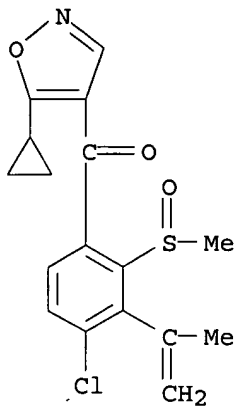
RN 153556-17-3 CAPLUS

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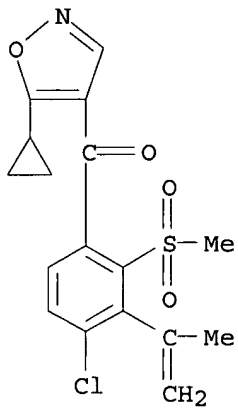
RN 153556-18-4 CAPLUS

CN Methanone, [4-chloro-3-(1-methylethenyl)-2-(methylsulfinyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



RN 153556-19-5 CAPLUS

CN Methanone, [4-chloro-3-(1-methylethenyl)-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)



RN 153556-20-8 CAPLUS

CN Methanone, [4-bromo-3-fluoro-2-(methylsulfonyl)phenyl] (5-cyclopropyl-4-isoxazolyl)- (9CI) (CA INDEX NAME)

